

Release notes for ENDF/B Development n-091\_Pa\_231  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- fizcon Errors:

1. One of the widths in the RRR is negative  
*MAT=9131, MF= 2, MT=151 (1): RR width <0*

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ERROR(S) FOUND IN MAT=9131, MF= 2, MT=151
NEGATIVE WIDTHS FOR RESONANCE-9.48994E-02      SEQUENCE NUMBER      1

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- psyche Warnings:

1. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 7.80399E-05 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 7.80399E-05 / DENSITY 7.19118E-01 SHOULD BE 6.95952E-01 (0): URR dens. (a)*

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FILE 2
SECTION 151
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 7.80399E-05
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 7.80399E-05
DENSITY 7.19118E-01 SHOULD BE 6.95952E-01

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2. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 7.80340E-05 / DENSITY 7.19071E-01 SHOULD BE 6.95904E-01 (0): URR dens. (a)*

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FILE 2
SECTION 151
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 7.80340E-05
DENSITY 7.19071E-01 SHOULD BE 6.95904E-01

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3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 7.80168E-05 / DENSITY 7.18939E-01 SHOULD BE 6.95778E-01 (0): URR dens. (a)*

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FILE 2
SECTION 151
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 7.80168E-05
DENSITY 7.18939E-01 SHOULD BE 6.95778E-01

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4. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 7.79993E-05 / DENSITY 7.18808E-01 SHOULD BE 6.95652E-01 (0): URR dens. (a)*

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FILE 2
SECTION 151
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 7.79993E-05
DENSITY 7.18808E-01 SHOULD BE 6.95652E-01

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5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 7.79820E-05 / DENSITY 7.18676E-01 SHOULD BE 6.95520E-01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 7.79820E-05  
DENSITY 7.18676E-01 SHOULD BE 6.95520E-01

6. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 7.79647E-05 / DENSITY 7.18544E-01 SHOULD BE 6.95394E-01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 7.79647E-05  
DENSITY 7.18544E-01 SHOULD BE 6.95394E-01

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 7.79474E-05 / DENSITY 7.18413E-01 SHOULD BE 6.95268E-01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 7.79474E-05  
DENSITY 7.18413E-01 SHOULD BE 6.95268E-01

8. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 7.79301E-05 / DENSITY 7.18281E-01 SHOULD BE 6.95142E-01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 7.79301E-05  
DENSITY 7.18281E-01 SHOULD BE 6.95142E-01

9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 7.79129E-05 / DENSITY 7.18149E-01 SHOULD BE 6.95016E-01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 7.79129E-05  
DENSITY 7.18149E-01 SHOULD BE 6.95016E-01

10. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 7.78955E-05 / DENSITY 7.18018E-01 SHOULD BE 6.94884E-01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 7.78955E-05  
DENSITY 7.18018E-01 SHOULD BE 6.94884E-01

11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 7.78697E-05 / DENSITY 7.17820E-01 SHOULD BE 6.94698E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 7.78697E-05  
DENSITY 7.17820E-01 SHOULD BE 6.94698E-01
12. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 7.78351E-05 / DENSITY 7.17557E-01 SHOULD BE 6.94440E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 7.78351E-05  
DENSITY 7.17557E-01 SHOULD BE 6.94440E-01
13. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 7.78005E-05 / DENSITY 7.17294E-01 SHOULD BE 6.94188E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 7.78005E-05  
DENSITY 7.17294E-01 SHOULD BE 6.94188E-01
14. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 7.77658E-05 / DENSITY 7.17031E-01 SHOULD BE 6.93936E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 7.77658E-05  
DENSITY 7.17031E-01 SHOULD BE 6.93936E-01
15. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 7.77312E-05 / DENSITY 7.16769E-01 SHOULD BE 6.93678E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 7.77312E-05  
DENSITY 7.16769E-01 SHOULD BE 6.93678E-01
16. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 7.76923E-05 / DENSITY 7.16473E-01 SHOULD BE 6.93396E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 7.76923E-05  
DENSITY 7.16473E-01 SHOULD BE 6.93396E-01
17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 7.76491E-05 / DENSITY 7.16145E-01 SHOULD BE 6.93078E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 7.76491E-05  
DENSITY 7.16145E-01 SHOULD BE 6.93078E-01
18. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 7.76273E-05 / DENSITY 7.15981E-01 SHOULD BE 6.92922E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 7.76273E-05  
DENSITY 7.15981E-01 SHOULD BE 6.92922E-01
19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 7.75841E-05 / DENSITY 7.15653E-01 SHOULD BE 6.92604E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 7.75841E-05  
DENSITY 7.15653E-01 SHOULD BE 6.92604E-01
20. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 7.74977E-05 / DENSITY 7.14997E-01 SHOULD BE 6.91968E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 7.74977E-05  
DENSITY 7.14997E-01 SHOULD BE 6.91968E-01
21. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / TOTAL OF 59 POINTS IN ERROR FOR THIS J-STATE (0): URR dens. (b)*
- FILE 2  
SECTION 151  
TOTAL OF 59 POINTS IN ERROR FOR THIS J-STATE  
TOTAL OF 59 POINTS IN ERROR FOR THIS J-STATE  
TOTAL OF 59 POINTS IN ERROR FOR THIS J-STATE  
... [5 more lines]
22. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55669E-04 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55669E-04 / DENSITY 1.15992E+00 SHOULD BE 1.14107E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55669E-04  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55669E-04  
DENSITY 1.15992E+00 SHOULD BE 1.14107E+00
23. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.55684E-04 / DENSITY 1.15984E+00 SHOULD BE 1.14100E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.55684E-04  
DENSITY 1.15984E+00 SHOULD BE 1.14100E+00
24. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.55725E-04 / DENSITY 1.15963E+00 SHOULD BE 1.14079E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.55725E-04  
DENSITY 1.15963E+00 SHOULD BE 1.14079E+00
25. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.55766E-04 / DENSITY 1.15942E+00 SHOULD BE 1.14058E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.55766E-04  
DENSITY 1.15942E+00 SHOULD BE 1.14058E+00
26. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.55807E-04 / DENSITY 1.15920E+00 SHOULD BE 1.14037E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.55807E-04  
DENSITY 1.15920E+00 SHOULD BE 1.14037E+00
27. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.55848E-04 / DENSITY 1.15899E+00 SHOULD BE 1.14016E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.55848E-04  
DENSITY 1.15899E+00 SHOULD BE 1.14016E+00
28. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.55888E-04 / DENSITY 1.15878E+00 SHOULD BE 1.13996E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.55888E-04  
DENSITY 1.15878E+00 SHOULD BE 1.13996E+00
29. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.55928E-04 / DENSITY 1.15857E+00 SHOULD BE 1.13975E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.55928E-04  
DENSITY 1.15857E+00 SHOULD BE 1.13975E+00
30. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.55970E-04 / DENSITY 1.15836E+00 SHOULD BE 1.13954E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.55970E-04  
DENSITY 1.15836E+00 SHOULD BE 1.13954E+00
31. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.56011E-04 / DENSITY 1.15814E+00 SHOULD BE 1.13933E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.56011E-04  
DENSITY 1.15814E+00 SHOULD BE 1.13933E+00
32. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.56071E-04 / DENSITY 1.15783E+00 SHOULD BE 1.13902E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.56071E-04  
DENSITY 1.15783E+00 SHOULD BE 1.13902E+00
33. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.56153E-04 / DENSITY 1.15740E+00 SHOULD BE 1.13860E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.56153E-04  
DENSITY 1.15740E+00 SHOULD BE 1.13860E+00
34. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.56234E-04 / DENSITY 1.15698E+00 SHOULD BE 1.13819E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.56234E-04  
DENSITY 1.15698E+00 SHOULD BE 1.13819E+00
35. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.56316E-04 / DENSITY 1.15656E+00 SHOULD BE 1.13777E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.56316E-04  
DENSITY 1.15656E+00 SHOULD BE 1.13777E+00
36. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.56399E-04 / DENSITY 1.15613E+00 SHOULD BE 1.13735E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.56399E-04  
DENSITY 1.15613E+00 SHOULD BE 1.13735E+00
37. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.56489E-04 / DENSITY 1.15566E+00 SHOULD BE 1.13689E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.56489E-04  
DENSITY 1.15566E+00 SHOULD BE 1.13689E+00
38. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.56591E-04 / DENSITY 1.15513E+00 SHOULD BE 1.13637E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.56591E-04  
DENSITY 1.15513E+00 SHOULD BE 1.13637E+00
39. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.56642E-04 / DENSITY 1.15487E+00 SHOULD BE 1.13611E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.56642E-04  
DENSITY 1.15487E+00 SHOULD BE 1.13611E+00
40. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.56744E-04 / DENSITY 1.15434E+00 SHOULD BE 1.13559E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.56744E-04  
DENSITY 1.15434E+00 SHOULD BE 1.13559E+00
41. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.56948E-04 / DENSITY 1.15328E+00 SHOULD BE 1.13455E+00 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.56948E-04  
DENSITY 1.15328E+00 SHOULD BE 1.13455E+00
42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04 / DENSITY 7.19118E-01 SHOULD BE 6.84642E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04  
DENSITY 7.19118E-01 SHOULD BE 6.84642E-01
43. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.55684E-04 / DENSITY 7.19071E-01 SHOULD BE 6.84600E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.55684E-04  
DENSITY 7.19071E-01 SHOULD BE 6.84600E-01
44. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.55725E-04 / DENSITY 7.18939E-01 SHOULD BE 6.84474E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.55725E-04  
DENSITY 7.18939E-01 SHOULD BE 6.84474E-01
45. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.55766E-04 / DENSITY 7.18808E-01 SHOULD BE 6.84348E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.55766E-04  
DENSITY 7.18808E-01 SHOULD BE 6.84348E-01
46. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.55806E-04 / DENSITY 7.18676E-01 SHOULD BE 6.84224E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.55806E-04  
DENSITY 7.18676E-01 SHOULD BE 6.84224E-01
47. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.55847E-04 / DENSITY 7.18544E-01 SHOULD BE 6.84098E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.55847E-04  
DENSITY 7.18544E-01 SHOULD BE 6.84098E-01
48. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.55888E-04 / DENSITY 7.18413E-01 SHOULD BE 6.83974E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.55888E-04  
DENSITY 7.18413E-01 SHOULD BE 6.83974E-01
49. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.55929E-04 / DENSITY 7.18281E-01 SHOULD BE 6.83848E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.55929E-04  
DENSITY 7.18281E-01 SHOULD BE 6.83848E-01
50. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.55970E-04 / DENSITY 7.18149E-01 SHOULD BE 6.83724E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.55970E-04  
DENSITY 7.18149E-01 SHOULD BE 6.83724E-01
51. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.56010E-04 / DENSITY 7.18018E-01 SHOULD BE 6.83598E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.56010E-04  
DENSITY 7.18018E-01 SHOULD BE 6.83598E-01
52. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.56071E-04 / DENSITY 7.17820E-01 SHOULD BE 6.83410E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.56071E-04  
DENSITY 7.17820E-01 SHOULD BE 6.83410E-01
53. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.56153E-04 / DENSITY 7.17557E-01 SHOULD BE 6.83162E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.56153E-04  
DENSITY 7.17557E-01 SHOULD BE 6.83162E-01
54. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.56234E-04 / DENSITY 7.17294E-01 SHOULD BE 6.82912E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.56234E-04  
DENSITY 7.17294E-01 SHOULD BE 6.82912E-01
55. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.56317E-04 / DENSITY 7.17031E-01 SHOULD BE 6.82662E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.56317E-04  
DENSITY 7.17031E-01 SHOULD BE 6.82662E-01
56. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.56398E-04 / DENSITY 7.16769E-01 SHOULD BE 6.82412E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.56398E-04  
DENSITY 7.16769E-01 SHOULD BE 6.82412E-01
57. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.56490E-04 / DENSITY 7.16473E-01 SHOULD BE 6.82132E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.56490E-04  
DENSITY 7.16473E-01 SHOULD BE 6.82132E-01
58. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.56591E-04 / DENSITY 7.16145E-01 SHOULD BE 6.81820E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.56591E-04  
DENSITY 7.16145E-01 SHOULD BE 6.81820E-01
59. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.56642E-04 / DENSITY 7.15981E-01 SHOULD BE 6.81664E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.56642E-04  
DENSITY 7.15981E-01 SHOULD BE 6.81664E-01
60. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.56745E-04 / DENSITY 7.15653E-01 SHOULD BE 6.81352E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.56745E-04  
DENSITY 7.15653E-01 SHOULD BE 6.81352E-01
61. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.56948E-04 / DENSITY 7.14997E-01 SHOULD BE 6.80730E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.56948E-04  
DENSITY 7.14997E-01 SHOULD BE 6.80730E-01
62. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04 / DENSITY 5.39500E-01 SHOULD BE 4.89030E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.55670E-04  
DENSITY 5.39500E-01 SHOULD BE 4.89030E-01
63. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.55684E-04 / DENSITY 5.39466E-01 SHOULD BE 4.89000E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.55684E-04  
DENSITY 5.39466E-01 SHOULD BE 4.89000E-01
64. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.55725E-04 / DENSITY 5.39366E-01 SHOULD BE 4.88910E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.55725E-04  
DENSITY 5.39366E-01 SHOULD BE 4.88910E-01
65. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.55766E-04 / DENSITY 5.39267E-01 SHOULD BE 4.88820E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.55766E-04  
DENSITY 5.39267E-01 SHOULD BE 4.88820E-01
66. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.55807E-04 / DENSITY 5.39168E-01 SHOULD BE 4.88731E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.55807E-04  
DENSITY 5.39168E-01 SHOULD BE 4.88731E-01
67. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.55847E-04 / DENSITY 5.39069E-01 SHOULD BE 4.88641E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.55847E-04  
DENSITY 5.39069E-01 SHOULD BE 4.88641E-01
68. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.55888E-04 / DENSITY 5.38970E-01 SHOULD BE 4.88553E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.55888E-04  
DENSITY 5.38970E-01 SHOULD BE 4.88553E-01
69. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.55929E-04 / DENSITY 5.38871E-01 SHOULD BE 4.88463E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.55929E-04  
DENSITY 5.38871E-01 SHOULD BE 4.88463E-01
70. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.55970E-04 / DENSITY 5.38772E-01 SHOULD BE 4.88374E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.55970E-04  
DENSITY 5.38772E-01 SHOULD BE 4.88374E-01
71. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.56010E-04 / DENSITY 5.38673E-01 SHOULD BE 4.88284E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.56010E-04  
DENSITY 5.38673E-01 SHOULD BE 4.88284E-01
72. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.56071E-04 / DENSITY 5.38525E-01 SHOULD BE 4.88150E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.56071E-04  
DENSITY 5.38525E-01 SHOULD BE 4.88150E-01
73. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.56153E-04 / DENSITY 5.38327E-01 SHOULD BE 4.87973E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.56153E-04  
DENSITY 5.38327E-01 SHOULD BE 4.87973E-01
74. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.56235E-04 / DENSITY 5.38129E-01 SHOULD BE 4.87794E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.56235E-04  
DENSITY 5.38129E-01 SHOULD BE 4.87794E-01
75. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.56316E-04 / DENSITY 5.37931E-01 SHOULD BE 4.87616E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.56316E-04  
DENSITY 5.37931E-01 SHOULD BE 4.87616E-01
76. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.56398E-04 / DENSITY 5.37734E-01 SHOULD BE 4.87437E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.56398E-04  
DENSITY 5.37734E-01 SHOULD BE 4.87437E-01
77. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.56490E-04 / DENSITY 5.37511E-01 SHOULD BE 4.87237E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.56490E-04  
DENSITY 5.37511E-01 SHOULD BE 4.87237E-01
78. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.56591E-04 / DENSITY 5.37265E-01 SHOULD BE 4.87014E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.56591E-04  
DENSITY 5.37265E-01 SHOULD BE 4.87014E-01
79. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.56642E-04 / DENSITY 5.37141E-01 SHOULD BE 4.86903E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.56642E-04  
DENSITY 5.37141E-01 SHOULD BE 4.86903E-01
80. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.56744E-04 / DENSITY 5.36895E-01 SHOULD BE 4.86680E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.56744E-04  
DENSITY 5.36895E-01 SHOULD BE 4.86680E-01
81. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.56948E-04 / DENSITY 5.36402E-01 SHOULD BE 4.86236E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.56948E-04  
DENSITY 5.36402E-01 SHOULD BE 4.86236E-01
82. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15992E+00 SHOULD BE 1.14107E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15992E+00 SHOULD BE 1.14107E+00
83. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15984E+00 SHOULD BE 1.14100E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15984E+00 SHOULD BE 1.14100E+00
84. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15963E+00 SHOULD BE 1.14079E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15963E+00 SHOULD BE 1.14079E+00
85. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15942E+00 SHOULD BE 1.14058E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15942E+00 SHOULD BE 1.14058E+00
86. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15920E+00 SHOULD BE 1.14037E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15920E+00 SHOULD BE 1.14037E+00
87. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15899E+00 SHOULD BE 1.14016E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15899E+00 SHOULD BE 1.14016E+00
88. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15878E+00 SHOULD BE 1.13996E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15878E+00 SHOULD BE 1.13996E+00
89. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15857E+00 SHOULD BE 1.13975E+00 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15857E+00 SHOULD BE 1.13975E+00
90. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15836E+00 SHOULD BE 1.13954E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15836E+00 SHOULD BE 1.13954E+00
91. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06801E-04 / DENSITY 1.15814E+00 SHOULD BE 1.13933E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06801E-04  
DENSITY 1.15814E+00 SHOULD BE 1.13933E+00
92. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15783E+00 SHOULD BE 1.13902E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15783E+00 SHOULD BE 1.13902E+00
93. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06801E-04 / DENSITY 1.15740E+00 SHOULD BE 1.13860E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06801E-04  
DENSITY 1.15740E+00 SHOULD BE 1.13860E+00
94. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15698E+00 SHOULD BE 1.13819E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15698E+00 SHOULD BE 1.13819E+00
95. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06799E-04 / DENSITY 1.15656E+00 SHOULD BE 1.13777E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06799E-04  
DENSITY 1.15656E+00 SHOULD BE 1.13777E+00
96. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15613E+00 SHOULD BE 1.13735E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15613E+00 SHOULD BE 1.13735E+00
97. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15566E+00 SHOULD BE 1.13689E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15566E+00 SHOULD BE 1.13689E+00
98. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15513E+00 SHOULD BE 1.13637E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15513E+00 SHOULD BE 1.13637E+00
99. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15487E+00 SHOULD BE 1.13611E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15487E+00 SHOULD BE 1.13611E+00
100. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 1.15434E+00 SHOULD BE 1.13559E+00 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 1.15434E+00 SHOULD BE 1.13559E+00
101. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06801E-04 / DENSITY 1.15328E+00 SHOULD BE 1.13455E+00 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06801E-04  
DENSITY 1.15328E+00 SHOULD BE 1.13455E+00
102. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.19118E-01 SHOULD BE 6.84642E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.19118E-01 SHOULD BE 6.84642E-01
103. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.19071E-01 SHOULD BE 6.84600E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.19071E-01 SHOULD BE 6.84600E-01
104. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18939E-01 SHOULD BE 6.84474E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18939E-01 SHOULD BE 6.84474E-01
105. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18808E-01 SHOULD BE 6.84348E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18808E-01 SHOULD BE 6.84348E-01
106. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18676E-01 SHOULD BE 6.84224E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18676E-01 SHOULD BE 6.84224E-01
107. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18544E-01 SHOULD BE 6.84098E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18544E-01 SHOULD BE 6.84098E-01
108. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18413E-01 SHOULD BE 6.83974E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18413E-01 SHOULD BE 6.83974E-01
109. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18281E-01 SHOULD BE 6.83848E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18281E-01 SHOULD BE 6.83848E-01
110. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18149E-01 SHOULD BE 6.83724E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18149E-01 SHOULD BE 6.83724E-01
111. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.18018E-01 SHOULD BE 6.83598E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.18018E-01 SHOULD BE 6.83598E-01
112. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.17820E-01 SHOULD BE 6.83410E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.17820E-01 SHOULD BE 6.83410E-01
113. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.17557E-01 SHOULD BE 6.83162E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.17557E-01 SHOULD BE 6.83162E-01
114. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.17294E-01 SHOULD BE 6.82912E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.17294E-01 SHOULD BE 6.82912E-01
115. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.17031E-01 SHOULD BE 6.82662E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.17031E-01 SHOULD BE 6.82662E-01
116. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.16769E-01 SHOULD BE 6.82412E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.16769E-01 SHOULD BE 6.82412E-01
117. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.16473E-01 SHOULD BE 6.82132E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.16473E-01 SHOULD BE 6.82132E-01
118. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.16145E-01 SHOULD BE 6.81820E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.16145E-01 SHOULD BE 6.81820E-01
119. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.15981E-01 SHOULD BE 6.81664E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.15981E-01 SHOULD BE 6.81664E-01
120. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.15653E-01 SHOULD BE 6.81352E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.15653E-01 SHOULD BE 6.81352E-01
121. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 7.14997E-01 SHOULD BE 6.80730E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 7.14997E-01 SHOULD BE 6.80730E-01
122. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.39500E-01 SHOULD BE 4.89030E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.39500E-01 SHOULD BE 4.89030E-01
123. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.39466E-01 SHOULD BE 4.89000E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.39466E-01 SHOULD BE 4.89000E-01
124. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.39366E-01 SHOULD BE 4.88910E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.39366E-01 SHOULD BE 4.88910E-01
125. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.39267E-01 SHOULD BE 4.88820E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.39267E-01 SHOULD BE 4.88820E-01
126. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.39168E-01 SHOULD BE 4.88731E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.39168E-01 SHOULD BE 4.88731E-01
127. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.39069E-01 SHOULD BE 4.88641E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.39069E-01 SHOULD BE 4.88641E-01
128. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.38970E-01 SHOULD BE 4.88553E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.38970E-01 SHOULD BE 4.88553E-01
129. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.38871E-01 SHOULD BE 4.88463E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.38871E-01 SHOULD BE 4.88463E-01
130. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.38772E-01 SHOULD BE 4.88374E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.38772E-01 SHOULD BE 4.88374E-01
131. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.38673E-01 SHOULD BE 4.88284E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.38673E-01 SHOULD BE 4.88284E-01
132. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.38525E-01 SHOULD BE 4.88150E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.38525E-01 SHOULD BE 4.88150E-01
133. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.38327E-01 SHOULD BE 4.87973E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.38327E-01 SHOULD BE 4.87973E-01
134. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.38129E-01 SHOULD BE 4.87794E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.38129E-01 SHOULD BE 4.87794E-01
135. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.37931E-01 SHOULD BE 4.87616E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.37931E-01 SHOULD BE 4.87616E-01
136. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.37734E-01 SHOULD BE 4.87437E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.37734E-01 SHOULD BE 4.87437E-01
137. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.37511E-01 SHOULD BE 4.87237E-01 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.37511E-01 SHOULD BE 4.87237E-01
138. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.37265E-01 SHOULD BE 4.87014E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.37265E-01 SHOULD BE 4.87014E-01
139. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.37141E-01 SHOULD BE 4.86903E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.37141E-01 SHOULD BE 4.86903E-01
140. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.36895E-01 SHOULD BE 4.86680E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.36895E-01 SHOULD BE 4.86680E-01
141. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 5.36402E-01 SHOULD BE 4.86236E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 5.36402E-01 SHOULD BE 4.86236E-01
142. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47970E-01 SHOULD BE 3.80357E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
ENERGY = 1.17000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47970E-01 SHOULD BE 3.80357E-01
143. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47941E-01 SHOULD BE 3.80333E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47941E-01 SHOULD BE 3.80333E-01
144. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47859E-01 SHOULD BE 3.80263E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47859E-01 SHOULD BE 3.80263E-01
145. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47776E-01 SHOULD BE 3.80193E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47776E-01 SHOULD BE 3.80193E-01
146. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47694E-01 SHOULD BE 3.80124E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47694E-01 SHOULD BE 3.80124E-01
147. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47611E-01 SHOULD BE 3.80054E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47611E-01 SHOULD BE 3.80054E-01
148. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47529E-01 SHOULD BE 3.79986E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47529E-01 SHOULD BE 3.79986E-01
149. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47446E-01 SHOULD BE 3.79916E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 7.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47446E-01 SHOULD BE 3.79916E-01
150. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47364E-01 SHOULD BE 3.79847E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47364E-01 SHOULD BE 3.79847E-01
151. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47281E-01 SHOULD BE 3.79777E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.50000E+02. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47281E-01 SHOULD BE 3.79777E-01
152. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.47158E-01 SHOULD BE 3.79672E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.10000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.47158E-01 SHOULD BE 3.79672E-01
153. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.46993E-01 SHOULD BE 3.79534E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.30000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.46993E-01 SHOULD BE 3.79534E-01
154. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.46828E-01 SHOULD BE 3.79396E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.46828E-01 SHOULD BE 3.79396E-01
155. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.46663E-01 SHOULD BE 3.79257E-01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.70000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.46663E-01 SHOULD BE 3.79257E-01
156. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.46498E-01 SHOULD BE 3.79118E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.90000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.46498E-01 SHOULD BE 3.79118E-01
157. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.46313E-01 SHOULD BE 3.78962E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.12500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.46313E-01 SHOULD BE 3.78962E-01
158. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.46108E-01 SHOULD BE 3.78789E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.37500E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.46108E-01 SHOULD BE 3.78789E-01
159. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.46005E-01 SHOULD BE 3.78702E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.50000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.46005E-01 SHOULD BE 3.78702E-01
160. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.45799E-01 SHOULD BE 3.78529E-01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.75000E+03. STRENGTH FUNCTION IS 1.06800E-04  
DENSITY 4.45799E-01 SHOULD BE 3.78529E-01
161. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06800E-04 / DENSITY 4.45388E-01 SHOULD BE 3.78183E-01 (0): URR dens. (a)*

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FILE 2
SECTION 151
ENERGY = 3.25000E+03. STRENGTH FUNCTION IS 1.06800E-04
DENSITY 4.45388E-01 SHOULD BE 3.78183E-01

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- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.35%

- fudge-4.0 Errors:

1. Found a negative probability  
*reaction label 0: n + Pa231 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.*

WARNING: Negative probabilities encountered. Incident energy: 5.8e7 eV, worst case: -2.80289886737e-06

WARNING: Negative probabilities encountered. Incident energy: 6.e7 eV, worst case: -0.00021603258866

2. Found a negative probability  
*reaction label 15: n + (Pa231.c ->Pa231 + gamma) / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): Negative prob.*

WARNING: Negative probabilities encountered. Incident energy: 6.e7 eV, worst case: -3.45978299295e-12

3. Calculated and tabulated Q values disagree.  
*reaction label 16: n[multiplicity:'2'] + Pa230 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6576957.550933838 eV vs -6.817e6 eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 17: n[multiplicity:'3'] + Pa229 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -13153915.10183716 eV vs -1.2611e7 eV!

5. Fission energy release seems unphysical.  
*reaction label 18: n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] / fissionEnergyReleased: / delayedNeutronKE: (Error # 0): Fiss. en. rel. (h)*

WARNING: Fission energy release seems unphysical. Worst case: -1980.0

WARNING: Fission energy release seems unphysical. Worst case: 5760.0

WARNING: Fission energy release seems unphysical. Worst case: 4471467.0

6. Fission energy release seems unphysical.  
*reaction label 18: n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] / fissionEnergyReleased: / delayedGammaEnergy: (Error # 0): Fiss. en. rel. (h)*

WARNING: Fission energy release seems unphysical. Worst case: -28533.0

7. Fission energy release seems unphysical.  
*reaction label 18: n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] / fissionEnergyReleased: / delayedBetaEnergy: (Error # 0): Fiss. en. rel. (h)*  

WARNING: Fission energy release seems unphysical. Worst case: 4598047.0
8. Fission energy release seems unphysical.  
*reaction label 18: n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] / fissionEnergyReleased: / neutrinoEnergy: (Error # 0): Fiss. en. rel. (h)*  

WARNING: Fission energy release seems unphysical. Worst case: 6181056.0
9. Calculated and tabulated Q values disagree.  
*reaction label 19: n + H1 + Th230 + gamma (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -4854595.888549805 eV vs -4.725e6 eV!
10. Calculated and tabulated Q values disagree.  
*reaction label 20: H1 + Th231 (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -156769.0664672852 eV vs 3.93e5 eV!
11. Calculated and tabulated Q values disagree.  
*reaction label 21: H1 + Th231\_e1 (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -198719.0664672852 eV vs 351050. eV!
12. Calculated and tabulated Q values disagree.  
*reaction label 22: H1 + Th231\_e2 (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -252899.0664672852 eV vs 296870. eV!
13. Calculated and tabulated Q values disagree.  
*reaction label 23: H1 + Th231\_e3 (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -318709.0664672852 eV vs 231060. eV!
14. Calculated and tabulated Q values disagree.  
*reaction label 24: H1 + Th231\_e4 (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -342479.0664672852 eV vs 207290. eV!
15. Calculated and tabulated Q values disagree.  
*reaction label 25: H1 + Th231\_e5 (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -362079.0664672852 eV vs 187690. eV!
16. Calculated and tabulated Q values disagree.  
*reaction label 26: H1 + Th231\_e6 (Error # 0): Q mismatch*  

WARNING: Calculated and tabulated Q-values disagree: -378169.0664672852 eV vs 1.716e5 eV!

17. Calculated and tabulated Q values disagree.  
*reaction label 27: H1 + Th231-e7 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -393659.0664672852 eV vs 156110. eV!
18. Calculated and tabulated Q values disagree.  
*reaction label 28: H1 + Th231-e8 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -397649.0664672852 eV vs 152120. eV!
19. Calculated and tabulated Q values disagree.  
*reaction label 29: H1 + Th231-e9 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -404349.0664672852 eV vs 145420. eV!
20. Calculated and tabulated Q values disagree.  
*reaction label 30: H1 + Th231-e10 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -428949.0664672852 eV vs 120820. eV!
21. Calculated and tabulated Q values disagree.  
*reaction label 31: H1 + Th231-e11 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -432189.0664672852 eV vs 117580. eV!
22. Calculated and tabulated Q values disagree.  
*reaction label 32: H1 + Th231-e12 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -434569.0664672852 eV vs 1.152e5 eV!
23. Calculated and tabulated Q values disagree.  
*reaction label 33: H1 + Th231-e13 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -458509.0664672852 eV vs 91260. eV!
24. Calculated and tabulated Q values disagree.  
*reaction label 34: H1 + Th231-e14 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -473849.0664672852 eV vs 75920. eV!
25. Calculated and tabulated Q values disagree.  
*reaction label 35: H1 + Th231-e15 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -481679.0664672852 eV vs 68090. eV!
26. Calculated and tabulated Q values disagree.  
*reaction label 36: H1 + Th231-e16 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -490769.0664672852 eV vs 5.9e4 eV!
27. Calculated and tabulated Q values disagree.  
*reaction label 37: H1 + Th231-e17 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -508279.0664672852 eV vs 41490. eV!

28. Calculated and tabulated Q values disagree.  
*reaction label 38: H1 + Th231-e18 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -534349.0664672852 eV vs 15420. eV!
29. Calculated and tabulated Q values disagree.  
*reaction label 39: H1 + Th231-e19 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -542459.0664672852 eV vs 7310. eV!
30. Calculated and tabulated Q values disagree.  
*reaction label 40: H1 + Th231-e20 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -544599.0664672852 eV vs 5170. eV!
31. Calculated and tabulated Q values disagree.  
*reaction label 41: H1 + Th231-e21 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -558769.0664672852 eV vs -9.e3 eV!
32. Calculated and tabulated Q values disagree.  
*reaction label 42: H1 + Th231-e22 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -605769.0664672852 eV vs -5.6e4 eV!
33. Calculated and tabulated Q values disagree.  
*reaction label 43: H1 + Th231-e23 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -608949.0664672852 eV vs -59180. eV!
34. Calculated and tabulated Q values disagree.  
*reaction label 44: H1 + Th231-e24 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -621769.0664672852 eV vs -7.2e4 eV!
35. Calculated and tabulated Q values disagree.  
*reaction label 45: H1 + Th231-e25 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -646769.0664672852 eV vs -9.7e4 eV!
36. Calculated and tabulated Q values disagree.  
*reaction label 46: H1 + Th231-e26 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -667669.0664672852 eV vs -1.179e5 eV!
37. Calculated and tabulated Q values disagree.  
*reaction label 47: H1 + Th231-e27 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -686769.0664672852 eV vs -1.37e5 eV!
38. Calculated and tabulated Q values disagree.  
*reaction label 48: H1 + Th231-e28 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -687169.0664672852 eV vs -1.374e5 eV!



39. Calculated and tabulated Q values disagree.  
*reaction label 49: H1 + Th231\_e29 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -711419.0664672852 eV vs -161650. eV!
40. Calculated and tabulated Q values disagree.  
*reaction label 50: H1 + Th231\_e30 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -735769.0664672852 eV vs -1.86e5 eV!
41. Calculated and tabulated Q values disagree.  
*reaction label 51: H1 + Th231\_e31 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -747609.0664672852 eV vs -197840. eV!
42. Calculated and tabulated Q values disagree.  
*reaction label 52: H1 + Th231\_e32 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -750389.0664672852 eV vs -200620. eV!
43. Calculated and tabulated Q values disagree.  
*reaction label 53: H1 + Th231\_e33 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -752739.0664672852 eV vs -202970. eV!
44. Calculated and tabulated Q values disagree.  
*reaction label 54: H1 + Th231\_e34 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -776409.0664672852 eV vs -226640. eV!
45. Calculated and tabulated Q values disagree.  
*reaction label 55: H1 + Th231\_e35 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -780709.0664672852 eV vs -230940. eV!
46. Calculated and tabulated Q values disagree.  
*reaction label 56: H1 + Th231\_e36 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -786109.0664672852 eV vs -236340. eV!
47. Calculated and tabulated Q values disagree.  
*reaction label 57: H1 + Th231\_e37 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -790809.0664672852 eV vs -241040. eV!
48. Calculated and tabulated Q values disagree.  
*reaction label 58: H1 + (Th231\_c -> Th231 + gamma) (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -790809.0664672852 eV vs -241040. eV!
49. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 58: H1 + (Th231\_c -> Th231 + gamma) / Product: H1 / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 3.2e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 3.4e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 3.6e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 3.8e7 eV  
 ... plus 8 more instances of this message

50. Calculated and tabulated Q values disagree.  
*reaction label 59: Pa232 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5384910.173919678 eV vs 5.553e6 eV!

51. Calculated and tabulated Q values disagree.  
*reaction label 60: n[multiplicity:'2'] + H1 + Th229 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -11431553.43945312 eV vs -1.1519e7 eV!

- njoy2012 Warnings:

1. Message comes from several resonance types that do not support the calculation of angular distributions. Some of them can be used if Want\_SAMRL\_RM or Want\_SAMRML\_BW are true.  
*reconr...reconstruct pointwise cross sections in pendf format (0): RECONR/calculation of angular distribution not installed (0)*

---message from rdf2bw---calculation of angular distribution not installed.  
 samm max legendre order: 0

2. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

---message from hinit---mf6, mt 18 does not give recoil za= 91231  
 one-particle recoil approx. used.

3. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (1): HEATR/hinit (4)*

---message from hinit---mf6, mt102 does not give recoil za= 91232  
 photon momentum recoil used.

4. There is a problem with the fission energy release.  
*heatr...prompt kerma (308): HEATR/nheat (3)*

---message from nheat---changed q from 1.855934E+08 to 1.765181E+08  
 for mt 18

5. There is a problem with the fission energy release.  
*heatr...prompt kerma (456): HEATR/nheat (3)*

---message from nheat---changed q from 1.855934E+08 to 1.765181E+08  
 for mt 18

6. There is a problem with the fission energy release.  
*heatr...prompt kerma (457): HEATR/nheat (3)*

---message from nheat---changed q from 1.855934E+08 to 1.765181E+08  
 for mt 18

- njoy2012 Errors:

1. An angular distribution is negative  
*acer...monte carlo neutron and photon data (0): Neg.  $P(Ej\mu)$  (b)*

```
---message from ptleg2---negative probs found
3 for mt= 2 e= 5.800E+07
```

2. An angular distribution is negative  
*acer...monte carlo neutron and photon data (1): Neg.  $P(Ej\mu)$  (b)*

```
---message from ptleg2---negative probs found
75 for mt= 2 e= 6.000E+07
```

3. An angular distribution is negative  
*acer...monte carlo neutron and photon data (2): Neg.  $P(Ej\mu)$  (b)*

```
---message from ptleg2---negative probs found
3 for mt= 91 e= 5.628E+01
```